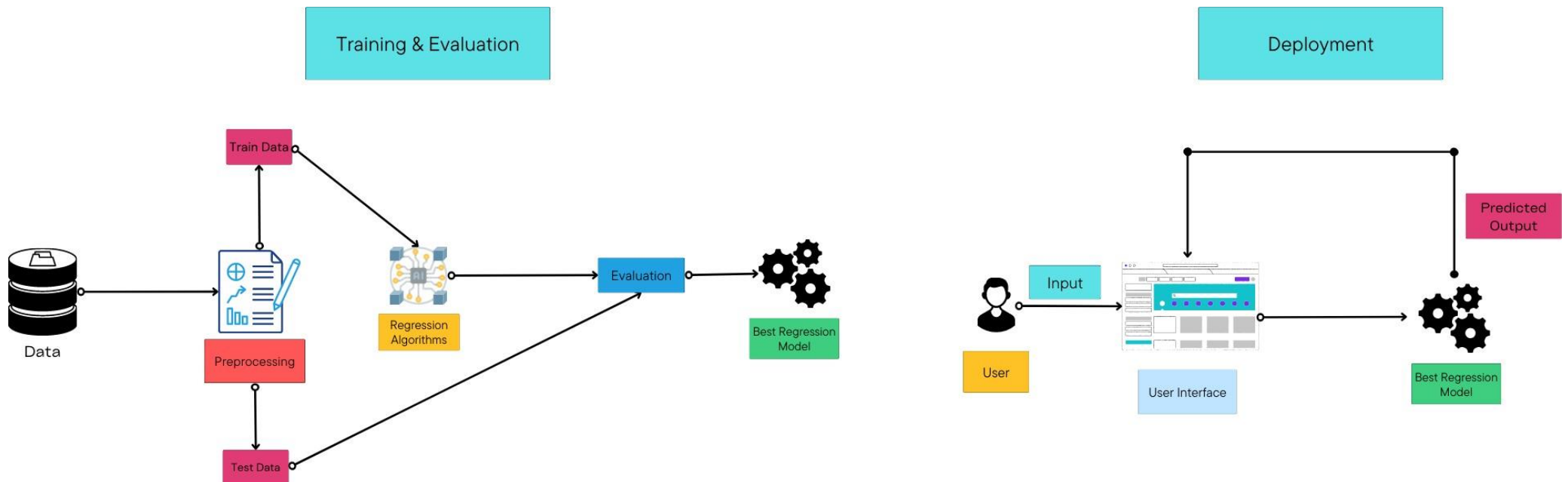


## PROJECT DESIGN PHASE – II

### Technology Stack

<b>Date</b>	15.10.2022
<b>Team ID</b>	PNT2022TMID11870
<b>Project Name</b>	Car Resale Value Prediction



**Table- 1: Components & Technologies:**

S.No	Components	Description	Technology
<b>1.</b>	User Interface	How the user interacts with the application e.g., Web UI.	HTML, CSS, JavaScript
<b>2.</b>	Preprocessing	Preprocess the training data.	Python - sklearn, pandas
<b>3.</b>	Train & Test dataset split	Splitting dataset for evaluation	Python – sklearn
<b>4.</b>	Machine Learning Model	To recognize patterns in the dataset.	Regression algorithm
<b>5.</b>	Infrastructure	Application Deployment on Local system and IBM cloud.	IBM Cloud

**Table- 2: Application characteristics:**

S.No	Characteristics	Description	Technology
<b>1.</b>	Open-Source Frameworks	Flask, TensorFlow, python	HTML, CSS, Python
<b>2.</b>	Scalable Architecture	The Application will be deployed in the IBM cloud. Three tires are IBM cloud, Web service, and can be accessed using theinternet.	IBM cloud
<b>3.</b>	Availability	Since the application is deployed in the cloud environment it ensures availability.	IBM cloud
<b>4.</b>	Performance	Kera's ensures the performance of the model by using GPU in the host system.	Python, IBM cloud